Recorded on:- 7/08/2024

Job Number:- 002-24-000010

M. A. R. 57 (Rule 116)
Measurement Book

No. E Est Cost RS. 50.00 Lakhs

WORK order NO:- BBMP/EE1/YNK.D1/E-PMT-12/W.O/30/2023-24 Date:- 09/03/2024

Serial No. .....

Name of work Construction of Anganwadi Building at J.P. Colony in Ward No 47 From

Name of Contractor of nature of Agency Sri. RAGHUNATHA B.P. No-47, 2nd main, to

Date of commencement of work Muneshwara Layout, Bangalore-560058.

Date	Full description, etc, of work	Dimensions			Depth	Contents	Reference to last Measurement
		Number	Length	Breadth			
1	2	3	4	5	6	7	8
	(1) Engaging on Hire basis of Tractor - Trolley for Conveying of escavated and removal of stuff from work Spot.						
	Quantity vide E-Bill:- 480.00 Hours @RS. 681.66						3,27,196.80
	(2) Labour charges to unskilled mazdoor heavy.						
	Quantity vide E-Bill:- 300.00 Day's @RS. 500.66						1,50,198.00
	(3) Concrete cutting machine.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		Quantity vide E-Bill:-				2880.00 Hours	
						CRS. 187.41	539,710.80
	(4) Earth work excavation by manual means for drains, canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such similar works in all kinds of soils as per drawing and technical Specifications.						
		Quantity vide E-Bill:-				128.30 m³	
						CRS. 225.40	28,919.50
	(5) Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/ Basalt Crushed graded coarse aggregates and fine aggregates						

Serial No. .....
Name of work .....
Name of Contractor of natur
Date of commencement of w

Date	Full description, e
1	2
	as per rules
	ing 150 mm
	(6) Providing S:2
	plinth with

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

Date of commencement of work.....

586728

Date	Full description, etc, of work	Number	Dimensions: Length	Breadth	Depth	Contents	Refererice to last Measurement
1	2	3	4	5	6	7	8
	as per relevant IS Codes machine mixed laid in layers not exceed -ing 150 mm Thickness de as per Specifications.						
	Quantity vide E-Bill :- 18.03 m^3						
	@ Providing Size Stone masonry with hard stone in foundation and plinth with cement mortar 1:6.					CRS. 6515.12	117461.10
	Quantity vide E-Bill:- 13.78 m^3					CRS: 7236.63	99746.09

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(7) Providing and laying in position Reinforced cement concrete for all Sub Structures of building. Irrigation works, Sub Structure works of bridges. Drainage works and other parallel works from 0.50m to 3.50m height. etc as per Specifications. Quantity vide E-Bill:- 1.76 m^3					CRS. 6904.76	12148.93
	(8) Filling available excavated earth (excluding rock) in trenches plinth Sides of foundations and other Similar works etc in layers not exceeding 20 cmm in depth. Consolidating each deposited layer by ramming and watering. lead upto 50m and lift up to 1.5m. etc as per specifications. Quantity vide E-Bill:- 80.97 m^3					CRS. 181.23	14674.19

Serial No. .....
Name of work .....
Name of Contractor of na
Date of commencement o

Date	Full description
1	2
(9)	Loading an Kankar/ mo
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M. A. R. 57 (Rule 116)
Measurement Book
No. E

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency..... From ..... To .....
Date of commencement of work.....

586729

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(9) Loading and unloading of Stone Boulder/Stone aggregate/Sand/ Kankar/moorum. etc as per Specifications. Quantity vide E-Bill:- 209.66 m³ @Rs. 97.41					20,422.98	
	(10) Cost of Haulage excluding loading and unloading Taking output 10t load and lead 10Km=100 t.Km etc as per Specifications. Quantity vide E-Bill:- 268.36 T.Km @Rs. 121.09					32,495.71	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(11) Providing and Constructing laterite Rize Stone masonry including cost and Conveyance of all material Curing etc Complete as per Specifications IS 3620/1979 having Compressive Strength not less Than 3.5 N/mm2 for Saturated dry Samp les - for Super Structure in cm 1:6 etc as per specifications.						
	Quantity vide E-Bill:- 4.08 m3						
						CRS. 4481.98	18,286.48
	(12) Providing flush/Ruled pointing: pointing on Stone coork with Cement mortar 1:3 (1 Cement: 3 fine Sand) after raking Joints to depth nicely lining including Cost of materials labour, curing as per specifications and as per directions of engineer-in-charge.						

Serial No. .....
Name of work .....
Name of Contractor
Date of commencem

Date	Full desc
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(13) Providing
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(14) Providing

M. A. R. 57 (Rule 116)
Measurement Book

No. E

586730

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
			Length	Breadth			
1	2	3	4	5	6	7	8
		Quantity vide E-Bill:-				3.75 m^2	
	(13) Providing and laying in position Reinforced cement concrete for all sub structures of building. Irrigation works, Sub Structure works of bridges, Drain works & other parallel works from 0.50m to 3.50m height. Rate as per Specifications.					CRS. 288.83	1081.67
		Quantity vide E-Bill:-				33.48 m^3	
	(14) Providing and laying in position Reinforced cement concrete					CRS. 7705.46	25967.24

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	for all Super structures of building. Road works, water works irrigation works & Super structure works of bridges up to 3.50m height. as per Specifications.						
	(15) Lintels :- Quantity vide E-Bill :- 1.84 m³ CRS. 8088.62						14,850.71
	(16) Roof Slab. Quantity vide E-Bill :- 1.14 m³ CRS. 8823.95						10,059.30
	Quantity vide E-Bill :- 6.38 m³ CRS. 8823.95						56,296.80

Reference to last Measurement
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No. E

586731

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(17) Beams.						
		Quantity vide E-Bill:-				1.55 m³	
						CRs. 8823.95	13,677.12
	(18) First floor:- Columns.						
		Quantity vide E-Bill:-				1.66 m³	
	(19) Lintels.					CRs. 8169.57	13,561.39
		Quantity vide E-Bill:-				0.93 m³	
						CRs. 8912.19	8288.34

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(20)	Roof slab.						
			Quantity vide E-Bill:- 6.26 m^3				
						CRS. 8912.19	55785.85
(21)	Beam.						
			Quantity vide E-Bill:- 1.80 m^3				
						CRS. 8912.19	16041.94
(22)	Providing and laying in position plain cement concrete for all counts in foundation. The granite for levelling course /trap/ basalt Crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm Thickness etc as per Specifications.						
			Quantity vide E-Bill:- 5.44 m^3				
						CRS. 6712.20	36,512.69

Serial No. .....
Name of work .....
Name of Contractor of natu
Date of commencement of w

Date	Full description, e
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(23)	Providing T reinforcem bending pla members c of materials
(24)	Providing ar Concrete block

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Serial No. .....

Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

Date of commencement of work.....

M. A. R. 57 (Rule 116)
Measurement Book

No. E

586732

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(23)	Providing Thermo mechanically Treated bars of grade Fe-550 steel reinforcement for RCC works including straightening cutting bending placing in position binding and anchoring to adjacent members wherever necessary complete as per Design including cost of materials labour usage charges complete as per Specifications. Quantity vide E-Bill:-					9417.30 kgs	
(24)	Providing and constructing load bearing wall with Solid Concrete blocks of size 400 x 200 x 200mm having block density					CRS 108.74	1024037.37

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	not less than 1800 kg/m³ having a minimum average compressive strength 5.00 N/mm² Confirming to IS 2185(part 1) : 2005 and constructed with cement mortar 1:4 as per IS 2572:2005 including cost of materials, labour charges, & cattal -ding. curing. hire charges of machineries etc complete as per Specifications.						
	Quantity vide E-Bill:- 60.15 m² @Rs. 1483.80						89,250.57
(25)	First floor.						
	Quantity vide E-Bill:- 59.07 m² @Rs. 1498.64						88,524.66

Serial No. .....
Name of work .....
Name of Contractor
Date of commenceme

Date	Full descr
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(26)	Providin blocks 1800 kg/ Confirmi as per IS dng and fications.
(27)	Providin

Serial No. .....

M. A. R. 57 (Rule 116)
Measurement Book

No. E 586733

Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(26) Providing and Constructing load bearing wall with Solid Concrete blocks of size 400 x 150 x 200mm having block density more than 1800 kg/m³ and minimum Compressive strength of 4.00 N/mm² Confirming to IS 2185(part-1) - 2005 and Constructed with cm 1:4 as per IS 2572:2005 including cost of all materials, labour, Scaffal dng and curing, usage charges of machinery etc complete as per Specification.						
	Quantity vide E-Bill:-				25.92 m²		
					CRS. 1394.32		36140.77
	(27) Providing and Constructing load bearing wall with Solid						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Concrete blocks of size 400x100x200mm having block density more than 1800 kg/m3 and minimum Compressive strength of 4.00 N/mm2 Conforming to IS 2185 (part-1) - 2005 and Cost inucted with con 1:4 ch per IS 2572:2005 including Cost of all materials, labour, Scaffolding and curing. usage charges of machinery etc complete as per Specification.						
	Quantity vide E-Bill:- 22.86 m²						
	CRS. 1250.47						28,585.74
(28)	Providing 18mm Cement plaster in two Coats under layer 12mm thick Cement plaster with Cement mortar 1:5 (1 Cement: 5 Coarse Sand) and a top layer 6mm thick Cement						

Serial No. .....
Name of work ....
Name of Contract
Date of commence

Date	Full desc
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Serial No. .....
Name of work .....
Name of Contractor of nature of Agency..... From ..... To .....
Date of commencement of work.....

586734

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	plaster with cement mortar 1:3 etc as per Specifications.						
	Quantity vide E-Bill:-					217.87 m²	
						CRS. 436.08	95,007.66
(29)	Providing 12mm Thick Cement plaster in Single Coat with Cement mortar 1:4 to brick masonry including rounding off Corners wherever required Smooth rendering etc as per Specifications.						
	Quantity vide E-Bill:-					151.73 m²	
						CRS. 365.85	55,510.42
(30)	Providing rough cement plastering 15mm Thick in Single Coat						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	with Cement mortar 1:4 to bricks masonry for bale of dadoing of approved quality etc as per Specification.						
	Quantity vide E-Bill:- 41.71 m²						
(31)	Providing and applying white cement based putty of average Thickness 1 mm. of approved brand and manufacture over The plastered wall Surface to prepare the Surface even and Smooth Complete as per Specifications.					CRS. 395.30	16,487.96
	Quantity vide E-Bill:- 151.73 m²					CRS. 113.27	17,186.46
(32)	Painting with Synthetic enamel paint of approved brand and						

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(33)	Providi paint, or inclu tion's le

M. A. R. 57 (Rule 116)
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Serial No. .....
Name of work .....
Name of Contractor of nature of Agency..... From ..... To .....
Date of commencement of work.....

586735

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	manufacture to give an even shade. Two coats on new work after Throughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter as per Specifications.						
	Quantity vide E-Bill:-					151.73 m²	
(33)	Providing external walls with texture finish using approved brand paint, applied uniformly in Three Coats over one Coat of primer including cost of all materials, machineries, labour, transportations loading and unloading all lead & lift etc as per Specifications.				CRS.	130.26	19764.35

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		Quantity vide E-Bill:- 217.87 m^2					
(34)	Providing and laying 52 mm thick cement concrete flooring with concrete hardner topping. under layer 40 mm thick cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregates 20 mm nominal size) and top layer 12 mm thick cement hardner consisting of mix 1:2 ckgs per Specifications.					CRS. 201.62	43926.45
	Quantity vide E-Bill:- 32.49 m^2						
(35)	Providing and laying polished Granite stone flooring in required design and patterns in linear as well as curvilinear portions of the building all complete as per the architectural drawings with					CRS. 906.14	29440.49

Serial No. .....
Name of work .....
Name of Contractor of nature of
Date of commencement of work.

Date	Full description, etc, of
1	2
	18 mm thick Stor 1:4 ckgs per S
(36)	Providing and f to IS: 15622 (Thi -red make in all any sizes as appro

Reference to last Measurement 8
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flooring with cement Concrete
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hardner Conkist
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ing in required
linear portions
drawings with

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Serial No. .....
Name of work .....
Name of Contractor of nature of Agency..... From ..... To .....
Date of commencement of work.....

586736

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	18mm Thick Stone slab over 20mm (average) Thick bed of cement mortar 1:4 clear per Specifications. Quantity vide E-Bill :- 71.30 m² CRS. 3230.37						230328.61
(36)	Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS:15622 (Thickness to be Specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by engineer-in-charge. Quantity vide E-Bill :- 10.08 m² CRS. 1252.73						12627.52

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(37) Providing skirting, dadoing, risers of steps with Colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials labour, Complete as per Specifications.						
	Quantity vide E-Bill:- 41.76 m²					CRS. 1641.24	68,538.18
	(38) Fixing of door frame in an existing opening including embedding frame in floor and walls after cutting masonry for hold fasts for embedding hold fast in cement Concrete 1:3:6 of 20mm and down size granite metal panting two coats of coal tar to sides of frame, making good the damages to walls and						

Serial No. .....
Name of work .....
Name of Contractor of na
Date of commencement o

Date	Full description,
1	2
	floor as re including c tion.
	(39) Providing Hor ventilators a including mat

Reference to last Measurement 8
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68,538.18
...cluding cost ...asonry for ...rete 1:3:6 of ...orts of coal ...walls and

M. A. R. 57 (Rule 116)
Measurement Book
No. E

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency..... From ..... To .....
Date of commencement of work.....

586737

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	floor as required and disposal of the debries with lead up to 50 ... including cost of materials, labour charges, complete as per Specifi... tion. Quantity vide E-Bill:-					4.00 Nos	
						CRS. 1150.79	4603.16
(39)	Providing Honne wood frames of doors, windows, clerestory windows ventilators and other frames, wrought, framed or assembled including making plaster grooves etc as per Specifications. Quantity vide E-Bill:-					0.18 m³	
						CRS 156,392.28	28150.61

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(40)	Providing and fixing in position fully panelled Hornewood shutters for doors with stiles and rails of 35 mm thick with bottom and lock rails 180 mm wide top rail and stiles 100 mm wide as per drawing and panels of 25 mm thick including cost of materials labour, usage charges complete as per Specifications. Quantity vide E-Bill - 7.56 m²					Rs. 8024.97	Gr. 668.77
(41)	painting wood work with deluxe multi Surface paint of required shade. Two Coat applied @ 0.90 ltr/10 m² over an under Coat of primer applied @ 0.75 ltr/10 m² of approved brand & manufacture to give an even shade including preparing the Surface after thoroughly cleaning oil, grease dust per Specifications.						

Reference to last Measurement 8
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M. A. R. 57 (Rule 116)
Measurement Book
No. E

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency..... From ..... To .....
Date of commencement of work.....

586738

Date 1	Full description, etc, of work 2	Number 3	Dimensions: Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
			Quantity vide E-Bill:-			1.20 m²	
	(42) Providing & fixing of louvred ventilator made out of multi chamb bored upvc (matching to RAL 9016) sections and with minimum TiO2 (Tiatanium Dioxide) at GPHR with TPE (Thermo plastic elastomer) and lead free with gaskets grey colour as per specifications.					CRS. 156.31	187.57
			Quantity vide E-Bill:-			5.39 m²	
	(43) Providing and fixing MS grills of required pattern in frames					CRS. 6477.74	34,898.82

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	of windows etc with m.s flats Square of round bar etc inclu ding priming coat with approved steel primer all complete fixed to openings wooden frames with rawl plugs & Cut sheet as per specification.						
	Quantity vide E-Bill:- 1020.00 Kgs					CRS. 207.59	211741.80
(44)	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size with top and bottom rail of T-iron 40x40x6 mm cleats per specifications.						
	Quantity vide E-Bill:- 3.60 m²					CRS. 9373.98	33746.33

Serial No. .....
Name of work
Name of Contra
Date of commen

Date 1	Full
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(46)	Providing

Reference to last Measurement 8

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M. A. R. 57 (Rule 116)
Measurement Book
No. E

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency..... From ..... To .....
Date of commencement of work.....

586739

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	(45) painting steel work with Deluxe multi Surface paint to give an even shade. Two coat applied @0.90 Ltr/10 mm2 over an under coat of primer applied @0.80 Ltr/10 mm2 of approved brand and manufacture including preparing the surface after thoroughly cleaning oil, grease dirt and foreign matter. Cost of materials, labour Complete as per Specifications.						
	Quantity vide E-Bill:-					23.40 m2	
	CRS. 157.44						3684.10
	(46) Providing and laying water proofing treatment to the						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	water tanks & Liquid Retaining structures with two Component acrylic polymer modified cementitious water proofing membrane with minimum elongation of 50% applied @1.5 kg/m² for internal side water proofing in two layers with waiting period 4 to 6 hours per layer cleas per Specifications.						
	Quantity vide E-Bill - 32.43 m²						
(47)	Providing and placing on terrace (at all floor levells) Polythelene water Storage tanks as per IS 12701 marked with Cover and Suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes etcas per Specifications.					CRS. 574.26	18,621.82

Serial No. .....
Name of work ...
Name of Contrac
Date of commenc

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(48) Providi
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(49) Providing

Reference to last Measurement
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1.82

levells) marked d working per Speci

M. A. R. 57 (Rule 116)
Measurement Book

No. E

586740

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
		Quantity vide E-Bill:-				2000.00	Ltrs
	(48) Providing and fixing white vitreous china pedestal type water closet (European type w.c pan) with seat and lid, 10 ltrs low level white pvc flushing cistern, including flush pipe cleats per specifications.					CRS. 10.19	20,380.00
	Quantity vide E-Bill:-					2.00 Nos	
	(49) Providing and fixing white vitreous china flat back urinal on wall					CRS. 5479.86	10,959.72

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flush -ing Cistern with standard flush pipe and c.p brass Spread -ers etc as per Specifications.						
	Quantity vide E-Bill:- 2.00 Nos						
(50)	PTMT grating 100 mm dia.					CRS. 5044.91	10,089.82
	Quantity vide E-Bill:- 2.00 Nos					CRS. 16.99	33.98
(51)	white vitreous china flat back wash basin size 550x400mm.						
	Quantity vide E-Bill:- 2.00 Nos					CRS. 622.97	1245.94

Serial No. .....
Name of work ...
Name of Contrac
Date of commenc

Date	Full de
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(52)	Providi -nal bo
(53)	Providin nominal
(54)	Providing c High or low

Reference to last Measurement
8

260x350 mm
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M. A. R. 57 (Rule 116)
Measurement Book

No. E

586741

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(52) Providing and fixing brass bib Cock of approved quality: 20mm nomi-nal bore. Quantity vide E-Bill:- 12.00 Nos @ CRS. 345.46					4145.52	
	(53) Providing and fixing brass stop cock of approved quality: 20mm nominal bore. Quantity vide E-Bill:- 2.00 Nos @ CRS. 345.46					690.92	
	(54) Providing and fixing ballvalve (brass) of approved quality, High or low pressure, with plastic floats Complete: 20mm nominal bore.						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		Quantity vide E-Bill:- 2.00 Nos					
(55)	Rectangular shape frame.	1500 x 450mm mirror with plastic moulded				@Rs. 355.66	711.32
		Quantity vide E-Bill:- 2.00 Nos					
(56)	Providing and fixing chorinated poly vinyl chloride (cpvc) Pipes Confirming to IS 15778. having Thermal stability for hot and cold water supply including all cpvc plain and brass Threaded fittings etc as per Specifications.					@Rs. 815.52	1631.04
		Quantity vide E-Bill:- 48.00 mtrs					
						@Rs. 429.28	20,605.44

M. A. R. 57 (Rule 116)
Measurement Book
No. E

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency..... From ..... To .....
Date of commencement of work.....

586742

Date	Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	(57) Providing and fixing on wall face unplasticised rigid pvc rain water pipes confirming to IS:13592 Type A, including jointing with Seal ring confirming to IS:5382, leaving 10mm gap for thermal expansion. (i) Simple Socketed pipes 100mm diameter class per Specifications.						
	Quantity vide E-Bill:- 12.00 mtrs @Rs. 329.61						3955.32
	(58) Construction of embankment by excavating the available approved Gravelly murrum deposited at a place on borrow pits during or prior excavation with all lifts and lead as per Specifications.						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	(59) Providing and laying water proofing treatment to the water tanks & liquid retaining structures with two component acrylic Polymer modified cementitious water proofing membrane @ 2 kg/sqm over all RCC surfaces as per Specifications.						
	Quantity vide E-Bill:- 19.46 m³ @ RS 455.33						8862.20
	(60) Supply and delivery of centrifugal pumpset at site brand new best make and with discharge duty confirming to ISI standards and its latest amendments 2 HP, Size 50x40						
	Quantity vide E-Bill:- 48.24 nos @ RS. 574.26						~~27702.30~~

Serial No. .....
Name of work ..
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Date 1	Full d
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	(61) open Co ...dion Co in case Per Speci
	(62) Supplying

M. A. R. 57 (Rule 116)
Measurement Book

No. E

586743

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Head 22m. Discharge 186 Lpm cleas per Specifications. Quantity vide E-Bill:- 1.00 CRS. 19787.74					19,787.74	
	(61) open Conduit system, Supplying heavy gouge PVC Conduit pipe ---dia Confirming to IS 2509 with suitable Size bends, plugs in case of Rcc Ceiling and Rcc wall & stone structure cleas Per Specifications. Quantity vide E-Bill:- 350.00 mtr CRS. 70.02					24,507.00	
	(62) Supplying and flush mounting teak wooden box without						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	front plank, made of not less than 15mm thick wood, after due groove cutting necessary masonry patch work complete as per Specifications.						
	Quantity vide E-Bill:- 6.00 nos						
	CRS. 77.23					463.38	
(63)	point wiring using copper wire with switch supplying and wiring adopting loop system in existing pvc conduit/ casing Capping using copper pvc insulated multistrand 2×1.5 Sqmm Copper wire with a 6 Amps flush type sp Control switch etc as per Specifications.						
	Quantity vide E-Bill:- 8.00 nos						
	CRS. 284.20					2273.60	

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Name of work .....
Name of Contractor o
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M. A. R. 57 (Rule 116)
Measurement Book
No. E

586741

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency..... From ..... To .....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	(64) point wiring using adopting loop system in existing PVC conduit / Casing Capping using Copper PVC insulated multi stranded 2X1.5sqmm Copper wire with 6A Amps etc as per Specifications.	Copper wire with Switch Supplying and wiring					
	Quantity vide E-Bill:-	4.00 Nos					
		CRS. 397.46					1589.84
	(65) point wiring using Copper wire with Switch Supplying and wiring adopting loop System in existing PVC Conduit / Casing Capping using Copper PVC insulated multi stranded 2X1.5 Sqmm Copper wire with a 6 Amps flush type Sp control box etc as per Specifications.						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
						Quantity vide E-Bill:- 6.00 Nos @RS. 583.84	3503.04
(66)	Supplying 6A flush projected type SP switch either Surface/flush mounting into existing gang box or into 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary wires as required 6 Amps 3/5 way.						
						Quantity vide E-Bill:- 1.00 no @RS. 147.25	147.25
(67)	wiring for lighting/power circuit using one of FLRS PVC insulated 1100V grade, multis and copper with low conducto -r single core cable in open or concealed system of wiring						

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M. A. R. 57 (Rule 116) **No. E**

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

586745

Date 1	Full description, etc, of work 2	Number 3	Dimensions: Length 4	Dimensions: Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	I Group A materials. a) 1.5 Sqmm. Quantity vide E-Bill:- 325.00 mtrs @Rs. 26.77						8700.25
	(68) wiring for lighting/power circuit using one of FLRS PVC insulated 1100V grade. multis and Copper with low Conductor Single Core Cable in open or Concealed System of wiring. I Group A materials. b) 2.5 Sqmm. Quantity vide E-Bill:- 360.00 mtrs @Rs. 41.19						14828.40

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(69)	wiring for lighting/power circuit using one of FLRS PVC insulated 1100V grade, multis and copper with low conductor single core cable in open or concealed system of wiring. I Group A materials. c) 4 sqmm. Quantity vide E-Bill:- 335.00 mtr @RS. 60.75					20,351.25	
(70)	Supplying 4mm thick plastic sheet with necessary niches for fixing switches regulators etc and fixing on existing wood or metal base using M.F Screws. Quantity vide E-Bill:- 1500.00 Sqmm @RS. 0.30					450.00	

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M. A. R. 57 (Rule 116)
Measurement Book
No. E

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency..... From ..... To .....
Date of commencement of work.....

586746

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	(71) Supplying and fixing retrofit type PL LED lamp LED linear source with CCT 6500 degree k CRI 70 efficacy 80 lumens per watt life 25000 burning hours and Compliance to IS 10322 IEC G0598 Lm79 and Lm80. etc as per Specifications. Quantity vide E-Bill:- 18.00 Nos @Rs.					711.52	12807.36
	(72) Supplying and fixing of T5 Fluorescent type with 14w power consumption with low 3mg mercury content & below 40% glass content Than T8 lamp & 20% less phosphor coating etc as per Specifications Quantity vide E-Bill:- 8.00 Nos @Rs. 135.92						1087.36

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(73)	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides with plank made out of not more than 2 pices and fixing the same to the wall using tapered inverted wooden plug & screws etc.. a) 20"x20"x2.5"						
	Quantity vide E-Bill:- 4.00 nos					CRS. 324.36	1297.44
(74)	Supplying and fixing of porcelain fuse channel with cut out on existing wooden panel using necessary nuts, bolts and washers etc Complete. a) 32amps.						
	Quantity vide E-Bill:- 6.00 nos					CRS. 205.94	1235.64
(75)	Supply of an load change over switches 4 poles 415V,						

Serial No. .....
Name of work .....
Name of Contractor o
Date of commenceme

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(76)	Supplyin... on CB dis... 'c' type cu... breaking ... amps C...

M. A. R. 57 (Rule 116)
Measurement Book

No. E

586747

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	50 Hz Ac supply with Ac 23A duty a) upto 63 amps Group A. Quantity vide E-Bill:- 1.00 NO CRS. 5338.99						5338.99
	(76) Supplying and fixing miniature Circuit breakers on existing mcb distribution boards using necessary fixing materials and 'c' type curve indication ON/OFF energy Class 3 with short circuit breaking capacity of 10K and complete wiring as required c) 6-32 amps TPN - Group A. Quantity vide E-Bill:- 1.00 NO CRS. 2470.25						2470.25

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(77)	Supplying and fixing miniature circuit breakers on existing SPCB distribution boards using necessary fixing materials and 'c' type curve indicator on/off energy Class 3 with short circuit breaking Capacity of 10K and complete wiring as required G-I Zamps TPN Group A. Quantity vide E-Bill:- 1.00 NO CRS. 1829.78						1829.78
(78)	Supplying fixing and wiring Electronic Trivector meter (ETV) 5 to 32/63 A Three phase 4 wire whole current class-1 Accuracy energy meter. Quantity vide E-Bill:- 2.00 NOS CRS. 5277.21						10554.42
(79)	Supplying, fixing, wiring, earth electrode for grounding						

Serial No. .....
Name of work .....
Name of Contractor
Date of commenceme

Date 1	Full descri
	Conduit wiring 4 ele as p
(80)	Supplying wiring

M. A. R. 57 (Rule 116)
Measurement Book

No. E

586748

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions: Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Conduits, I.C cutouts and other equipments on the meter board using 40mm dia 2.90 Thick GI pipes 2.5 mtr long buried in pit.. etc as per Specifications.						
	Quantity vide E-Bill:- 1.00 no						
	CRS. 3088.07						3088.07
(80)	Supplying and running of GI/Copper Strips for grounding connections using necessary facing material as required GI strips 25x3mm.						
	Quantity vide E-Bill:- 30.00 mtrs						
	CRS. 77.23						2316.90

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(81)	Supplying and fixing of class A (medium duty) GI pipes of wall Thickness not less than 3.25mm on pole/wall drain Gross -ing with necessary clamping arrangements for UG Cable of 1.1KV class. a) 40mm.						
	Quantity vide E-Bill:- 4.00 mtrs @ Rs. 344.95					1379.80	
	Total Rs:					43,48,095.10	
(82)	BESCom charges.						
	Add 18% of GST Rs:					7,82,657.12	
	Sub Total Rs:-					51,30,752.22	
	Rs:-					2420.00 15000.00	
	Grand Total Rs:-					51,45,752.22	
						51,33,172.00	

17/08/2024

Asst. Executive Engineer
Yelahanka Sub. Division
BESCOM
Yelahanka, Bangalore

17/08/24

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TI pipes of
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M. A. R. 57 (Rule 116)
Measurement Book

No. E

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

586749

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	CERTIFICATE :-						
	1) Certified that the above work done is Satisfactory Completed.						
	2) Certified that the all the debries have been cleared in the site.						
	A.E.E.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	CLASS ROOM 5.65X4.30 W W D PASSAGE 2.85X1.35 GROUND FLOOR						INDEX
	ROOM 5.65X4.30 KITCHEN 2.20X1.65 V D TOILET 1.25X1.65 V D1 W1 D PASSAGE 2.85X1.35 FIRST FLOOR						D:- 2X1.20X2.10 D1:- 2X0.75X2.10 W:- 2X1.20X1.20 W1:- 1X0.90X0.75 V:- 1X0.70X0.55 V1:- 1X0.50X0.55

Asst. Executive Engineer
Yelahanka Sub Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Reference to last measurement
8

INDEX

×1.20×2.10

×0.75×2.10

×1.20×1.20

0.90×0.75

0.70×0.55

50×0.55

M. A. R. 57 (Rule 116)
Measurement Book

No. E

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1st and Final						
	Gross Amt = Rs 5133172=00						
	PSD = Rs —						
	CGST = Rs 43481=00						
	SGST = Rs 43481=00						
	IT = Rs 43481=00						
	LC = Rs 43481=00						
	CBT = Rs 4349=00						
	Royalty = Rs 23828=00						
	T.D. = Rs 202101=00						
	Net Amt = Rs 4931071=00				Job Code	: 002-24-000010	
					SSR No:	27	
					Date:	21/9/24	

Audited & Admitted for Rs. 5133172-00

4931071=00 ..... by Cheque

and Rs. 202101=00 ..... by adjustement

24/09/24

Accts. Supdt.
Yelahanka Division
BBMP

Exe. Engineer
Yelahanka Division
BBMP